

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1367	paginat\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:38
L2	519300	class\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:38
L3	3281777	method\$1	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:38
L5	40544	user-defin\$7 or (user adj defin\$7)	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:38
L6	945675	display\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L7	4258334	descript\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L8	1042	page\$1 adj break\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L9	3013282	position\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L10	1727544	measur\$5	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L11	154573	notif\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L12	61749	size with param\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L13	23904	descript\$7 with param\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:39
L14	5	l1 and l2 and l3 and l5 and l6 and l7 and l8 and l9 and l10 and l11 and l12 and l13	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:40
L25	1282	l5 with l2	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:43
L26	5955	l5 with l3	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:43
L27	1	l25 with l1	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:43
L28	1	l25 same l1	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:43
L29	1	l5 same l2 same l1	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:44
L30	38	l2 same l1	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:44
L31	1	("5838317").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:48

EAST Search History

L32	1	("5873106").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:48
L33	763	(715/517).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:52
L34	114	(715/525).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:52
L35	228	I1 same control\$5	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:16
L36	6	(US-20040145593-\$).did. or (US-6844940-\$ or US-6175845-\$ or US-5495561-\$ or US-5838317-\$ or US-5873106-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:16
L37	1	I35 and I36	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:17
L38	380	I1 with object\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:17
L39	2	I36 and I38	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:20
L40	2330	paginat\$8 or (page\$1 adj break\$4)	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L41	2624279	control\$1	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L42	335894	host\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L43	468015	class\$2	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L44	945405	display\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L45	4258302	descript\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L46	1042	page\$1 adj break\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:21
L47	3345032	position\$3 or location\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:22
L48	79	I43 same I40	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:22
L49	194	I40 with I41	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:27
L50	23141	I43 same I44	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:22
L51	22719	I43 same I45	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:22
L52	47	I43 same I46	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:22

EAST Search History

L53	47169	I43 same I47	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:23
L54	3	I48 and I49 and I50 and I51 and I52 and I53	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:23
L55	10	I48 and I49 and I50 and I51	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:25
L56	12	I48 and I49 and I50	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:26
L57	16	I48 and I49	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:27
L58	380	I40 same I41	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:27
L59	27	I48 and I58	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:27
L60	10	("6626955" "20030079177" "6415305" "6268924" "6128633" "5903903" "6043817" "5838317" "5450536" "4495490").pn.	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:31
L61	0	I48 and I60	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:31
L62	0	I58 and I60	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:46
L63	1	("5495561").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:46
L65	171	paginat\$5 same function\$1	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:46
L66	1	I63 and I65	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:54
L67	288242	display same information	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:54
L68	1	I63 and I67	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:54
L69	4217	I43 same I67	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:54
L70	1	I69 and I63	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:55
L71	10209	class\$2 with display\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:55
L72	1	I63 and I71	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:57
L73	22743	descript\$5 same class\$2	US-PGPUB; USPAT	OR	OFF	2006/05/16 07:57
L74	1	I63 and I73	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:01

EAST Search History

L75	9	measur\$6 same paginat\$6 same display\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:02
L76	0	l75 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:02
L77	86	siz\$6 same paginat\$6 same display\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:02
L78	0	l77 same l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:02
L79	282343	function\$1 same measur\$7	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:03
L80	0	l79 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:02
L81	171645	function\$1 same calculat\$5	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:03
L82	1	l81 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:07
L83	52	updat\$3 same paginat\$6	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:07
L84	0	l83 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:07
L85	144	chang\$3 same paginat\$6	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:07
L86	1	l85 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:09
L87	92	calculat\$6 same (page\$1 with break\$1)	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:09
L88	0	l87n and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:09
L89	0	l87 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:09
L90	42	calculat\$6 same (paginat\$6)	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:09
L91	1	l90 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:11
L92	1913	objects same host\$1 same set\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:12
L93	0	l92 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:12
L95	133	paginat\$6 with control\$5	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:19
L96	1	l95 and l63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:21
L97	1611	notif\$7 with object\$1 with chang\$4	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:23

EAST Search History

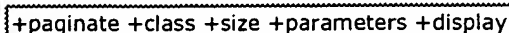
L98	0	I97 and I63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:22
L99	0	I97 same I1	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:22
L100	15	I97 and I1	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:22
L101	215405	notif\$7 or alert\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:28
L102	2825236	chang\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:23
L103	2414237	content\$1 or data or information	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:24
L104	8612	I101 with I102 with I103	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:27
L105	25	I1 and I104	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:27
L106	244	(notif\$7 or alert\$3) same (page with siz\$3)	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:33
L107	2	I1 and I106	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:29
L108	972	page adj break\$2	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:29
L109	2	I106 and I108	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:29
L110	176	(notif\$7 or alert\$3) same (page near5 siz\$3)	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:35
L111	33450	object adj orient\$6	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:35
L112	28	I110 and I111	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:38
L113	238115	start\$3 with end\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:39
L114	0	I63 and I113	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:39
L115	401994	start\$3 same end\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:39
L116	1	I115 and I63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:40
L117	230990	start\$3 with position\$3	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:40
L118	1	I117 and I63	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:40
S1	1	("20050091585").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/16 08:18

EAST Search History

S2	10	("6626955" "20030079177" "6415305" "6268924" "6128633" "5903903" "6043817" "5838317" "5450536" "4495490").pn.	US-PGPUB; USPAT	OR	OFF	2006/05/16 06:52
S3	49	("6178431" "6175845" "5390354" "6964016" "6336137" "4498150" "4602328" "5495561" "5579055" "5465292" "5231603" "6966026" "5878428" "5937421" "5649216" "6026416" "5929774" "6393441" "6470363" "5457738" "4965558" "6002398" "5432620" "4935786" "4417322" "4445795" "5742881" "5911146" "6384932" "5991780" "5416900" "6452609" "5851031" "6556217" "6701486" "6844940" "5353222" "6279017" "5566278" "5857064" "5900870" "5583949" "6216134" "6216134" "4050686" "4889439" "6038566" "5873100" "5283864" "5339392").pn.	US-PGPUB; USPAT	OR	OFF	2006/04/13 11:08
S4	1351	paginat\$6	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S5	2938068	object\$1	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S6	463419	class\$2	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S7	934088	display\$3	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S8	2827863	defin\$3	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S9	1015457	user\$1	US-PGPUB; USPAT	OR	OFF	2006/04/19 09:57
S10	429	S4 and S5 and S6 and S7 and S8 and S9	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:03
S11	27	S4.ti.	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:04
S12	5	S10 and S11	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:03
S13	168560	layout	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:04
S14	2748	S13.ti.	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:04
S15	7	S10 and S14	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:05

EAST Search History

S16	10	("6626955" "20030079177" "6415305" "6268924" "6128633" "5903903" "6043817" "5838317" "5450536" "4495490").pn.	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:28
S17	5	S6 and S16	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:30
S18	1	S10 and S16	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:29
S19	2	S4 and S6 and S16	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:31
S20	49	("6178431" "6175845" "5390354" "6964016" "6336137" "4498150" "4602328" "5495561" "5579055" "5465292" "5231603" "6966026" "5878428" "5937421" "5649216" "6026416" "5929774" "6393441" "6470363" "5457738" "4965558" "6002398" "5432620" "4935786" "4417322" "4445795" "5742881" "5911146" "6384932" "5991780" "5416900" "6452609" "5851031" "6556217" "6701486" "6844940" "5353222" "6279017" "5566278" "5857064" "5900870" "5583949" "6216134" "6216134" "4050686" "4889439" "6038566" "5873100" "5283864" "5339392").pn.	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:31
S21	8	S4 and S6 and S20	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:43
S22	7	S4 and S6 and S20 and S5	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:43
S23	113	(715/525).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:43
S24	9	S4 and S6 and S23	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:43
S25	5	S4 and (S6 same S5) and S23	US-PGPUB; USPAT	OR	OFF	2006/04/19 10:43



<http://portal.acm.org/results.cfm?CFID=71459215&CFTOKEN=45701320&adv=1&COLL=...> 5/16/06

Extendible hashing is a new access technique, in which the user is guaranteed no more than two page faults to locate the data associated with a given unique identifier, or key. Unlike conventional hashing, extendible hashing has a dynamic structure that grows and shrinks gracefully as the database grows and shrinks. This approach simultaneously solves the problem of making hash tables that are extendible and of making radix search trees that are balanced. We study, by analysis and simulatio ...

Keywords: B-tree, access method, directory, extendible hashing, external hashing, file organization, hashing, index, radix search, searching, trie

5 Multidimensional access methods



Volker Gaede, Oliver Günther

June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Publisher: ACM Press

Full text available: pdf(1.05 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

Search operations in databases require special support at the physical level. This is true for conventional databases as well as spatial databases, where typical search operations include the point query (find all objects that contain a given search point) and the region query (find all objects that overlap a given search region). More than ten years of spatial database research have resulted in a great variety of multidimensional access methods to support ...

Keywords: data structures, multidimensional access methods

6 A simulation based model of a virtual storage system

H. Gomaa

March 1979 **Proceedings of the 12th annual symposium on Simulation**

Publisher: IEEE Press

Full text available: pdf(1.14 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes how two different modelling techniques, regression and simulation modelling, have been combined within a hybrid simulation/regression model of a virtual storage computer system. In the model, simulation techniques are used to model in detail a task's arrival, entering and dropping from the multiprogramming set, and termination. The rest of the system is modelled in much less detail mainly using regression techniques. The application of this method to modelling an IBM VM ...

7 The implementation of Etude, an integrated and interactive document production system



Michael Hammer, Richard Ilson, Tim Anderson, Edward Gilbert, Michael Good, Bahram Niamir, Larry Rosentein, Sandor Schoichet

June 1981 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation**, Volume 16 Issue 6

Publisher: ACM Press

Full text available: pdf(1.03 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

Etude is an experimental text processing system that is being developed in order to formulate and evaluate new approaches to the design of user interfaces for office automation tools. The primary design goal for Etude is to provide the user with substantial functionality in the editing and formatting of documents in the context of a system that is easy to learn and use.

8 Cliché-based program editors



Richard C. Waters

January 1994 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 16 Issue 1

Publisher: ACM Press

Full text available: [pdf\(3.22 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#),
[review](#)

Keywords: abstract syntax tree schemas, computer-aided software engineering (CASE),
plan diagrams, reuse

9 Interactive Editing Systems: Part I



Norman Meyrowitz, Andries van Dam

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: [pdf\(3.08 MB\)](#)

Additional Information: [full citation](#), [citations](#), [index terms](#)

10 Open architecture multimedia documents



Brian R. Gaines, Mildred L. G. Shaw

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: [pdf\(265.04 KB\)](#)

[ps\(630.84 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: digital journals, electronic books, hypermedia, knowledge bases, multimedia
information systems, publication systems

11 MCTS customer task environment



R. R. Brown

October 1975 **ACM SIGOPS Operating Systems Review**, Volume 9 Issue 4

Publisher: ACM Press

Full text available: [pdf\(2.04 MB\)](#)

Additional Information: [full citation](#), [references](#)

12 Hints for computer system design



Butler W. Lampson



October 1983 **ACM SIGOPS Operating Systems Review , Proceedings of the ninth ACM
symposium on Operating systems principles SOSP '83**, Volume 17 Issue 5


Publisher: ACM Press

Full text available: [pdf\(1.73 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index
terms](#)

Experience with the design and implementation of a number of computer systems, and
study of many other systems, has led to some general hints for system design which are
described here. They are illustrated by a number of examples, ranging from hardware
such as the Alto and the Dorado to applications programs such as Bravo and Star.

-  [Hypermedia and Graphics 2: Vector graphics: from PostScript and Flash to SVG](#) 
Steve Proberts, Julius Mong, David Evans, David Brailsford
November 2001 **Proceedings of the 2001 ACM Symposium on Document engineering**
Publisher: ACM Press

Full text available:  [pdf\(127.00 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The XML-based specification for Scalable Vector Graphics(SVG), sponsored by the World Wide Web consortium, allows for compact and descriptive vector graphics for the Web. This paper describes a set of three tools for creating SVG, either from first principles or via the conversion of existing formats. The *ab initio* generation of SVG is effected from a server-side CGI script, using a PERL library of drawing functions; later sections highlight the problems of converting Adobe PostScript and ...

Keywords: Flash, PDF, PostScript, SVG, SWF

- 14 [The TYPESET-10 Message Exchange Facility: a case study in systemic design](#) 

 Michael J. Spier, Richard L. Hill, Timothy J. Stein, Daniel Bricklin
January 1975 **ACM SIGOPS Operating Systems Review**, Volume 9 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.00 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper describes the design considerations which led to the successful implementation of an interprocess communication mechanism, named the Message Exchange Facility (MX). The software implemented Message Exchange Facility provides services analogous to those of the hardware bus. It is the central link that binds a collection of synergistic asynchronous processes into a single systemic entity, the Digital Equipment Corporation's TYPESET-10 computerized newspaper production system. The peculi...

- 15 [A constraint-driven system for contract assembly](#) 

 Aspasia Daskalopulu, Marek Sergot
May 1995 **Proceedings of the 5th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available:  [pdf\(927.57 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 16 [Instrumentation and measurement: The instrumentation of multics](#) 

 Jerome H. Saltzer, John W. Gintell
October 1969 **Proceedings of the second symposium on Operating systems principles**

Publisher: ACM Press

Full text available:  [pdf\(779.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper reports an array of measuring tools devised to aid in the implementation of a prototype computer utility. These tools include special hardware clocks and data channels, general purpose programmed probing and recording tools, and specialized measurement facilities. Some particular measurements of interest in a system which combines demand paging with multi-programming are described in detail. Where appropriate, insight into effectiveness (or lack thereof) of individual tools is provided ...

- 17 [Beyond boolean search: FLEXICON, a legal text-based intelligent system](#) 

 Dephne Gelbart, J. C. Smith
May 1991 **Proceedings of the 3rd international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available:  [pdf\(955.73 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


18 Challenges of HCI design and implementation



Brad Myers

January 1994 **interactions**, Volume 1 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.42 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

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